

**CERTIFICATE OF MAILING**

I hereby certify that this paper and every paper referred to therein as being enclosed is being deposited with the U.S. Postal Service as first class mail, postage prepaid, in an envelope addressed to: Hon. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

on October 28, 2003 (Date of Deposit)

Craig S. Fischer

By

Signature

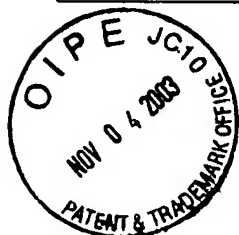
**27662**

PATENT TRADEMARK OFFICE

**PATENT APPLICATION**

Microsoft Docket No. 302963.01

Attorney Docket No.: MCS-019-03



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of  
FLORENCIO

: Group Art Unit: 2613

Entitled: HIERARCHICAL DATA  
COMPRESSION SYSTEM AND  
METHOD FOR CODING VIDEO DATA

: Examiner: UNKNOWN

Serial No.: 10/606,062

Filing Date: June 25, 2003

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97(b)**

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto is a Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 CFR 1.56(a)

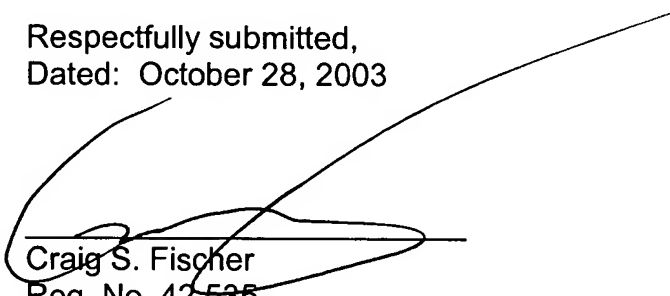
exists. Furthermore, no admission is being made that these documents are prior art, and the Applicants reserve the right to challenge any such conclusion.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the manual of Patent Examining Procedures, sections 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be contacted so that any deficiencies can be remedied.

A copy of these documents is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

In an effort to expedite and further the prosecution of the subject application, the Applicant kindly invites the Examiner to contact the Applicant's attorney by telephone at (805) 278-8855 if the Examiner has any questions or concerns.

Respectfully submitted,  
Dated: October 28, 2003



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(Use several sheets if necessary)

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[illegible][illegible]

	A1	Al-Regib, G. and Altunbasak, Y., "Hierarchical motion estimation with content-based meshes" to appear in <i>IEEE Trans. on Circuits and Systems for Video Technology</i> in October 2003.
	A2	Andersson, K. and Knutsson, H., "Multiple hierarchical motion estimation", in <i>Proceedings of Signal Processing, Pattern Recognition, and Applications (SPPRA'02)</i> , pp. 80-85, Crete, Greece, June 2002.
	A3	Cheung, C.K. and Po, L.M., "A hierarchical block matching algorithm using partial distortion measure" in <i>Proceedings of IEEE International Symposium on circuits and systems</i> , vol. II, pp. 1237-1240, Jun. 1997.
	A4	Houlding, D. and Vaisey, J., "Pyramid decompositions and hierarchical motion compensation", in <i>Digital Video Compression: Algorithms and Technologies</i> , vol. 2419 of <i>Proc. of SPIE</i> , pp. 201-209, Feb. 7-10, 1995.
	A5	Illgner, K. and Muller, F., "Hierarchical coding of motion vector fields", in <i>Proc. of IEEE International Conference on Image Processing</i> , vol. 1, pp. 566-569, October 1995.
	A6	Lin, C-W, Chang, Y-J, and Chen, Y-C, "Hierarchical motion estimation algorithm based on pyramidal successive elimination", in <i>Proc. Int. Computer Symp.</i> , pp. 41-44, Dec. 17-19, 1998, Tainan, Taiwan.
	A7	Memin, E. and Perez, P., "A multigrid approach for hierarchical motion estimation", in <i>IEEE Proceedings of the Sixth International Conference on Computer Vision</i> , pp. 933-938, Bombay, India, January 1998.
	A8	Skrzypkowiak, S.S. and Jain, V.K., "Hierarchical video motion estimation using a neural network", in <i>Workshop on Digital and Computational Video 2001</i> , pp. 202-208.

DATE CONSIDERED:

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